

10/782076

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG 24	CA/CAPLUS enhanced with legal status information for U.S. patents
NEWS	6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS	8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS	10	NOV 23	Addition of SCAN format to selected STN databases
NEWS	11	NOV 23	Annual Reload of IFI Databases
NEWS	12	DEC 01	FRFULL Content and Search Enhancements
NEWS	13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS	14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS	15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS	16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS	17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAPLUS
NEWS	18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS	19	JAN 25	Annual Reload of MEDLINE database
NEWS	20	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS	21	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS	22	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS	23	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS	24	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses

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NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 09:41:29 ON 16 FEB 2010

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 09:41:59 ON 16 FEB 2010
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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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=>

Uploading C:\Program Files\STNEXP\Queries\10782076.str



10/782076

```
chain nodes :
 2  3  4  5  6  7  8
ring nodes :
 1  9 10 11 12 13
chain bonds :
1-2  2-3  3-4  4-5  5-6  6-7  7-8
ring bonds :
1-9  1-13  9-10 10-11 11-12 12-13
exact/norm bonds :
1-2  1-9  1-13  2-3  7-8  9-10 10-11 11-12 12-13
exact bonds :
3-4  4-5  5-6  6-7
```

Match level :
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom

L1 STRUCTURE UPLOADED

```
=> d l1
L1 HAS NO ANSWERS
L1 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
```

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 fam sam
SAMPLE SEARCH INITIATED 09:42:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 466 TO ITERATE

100.0% PROCESSED 466 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH **COMPLETE**
PROJECTED ITERATIONS: 8025 TO 10615
PROJECTED ANSWERS: 0 TO 0
```

L2 0 SEA FAM SAM L1

```
=> s l1 fam full
FULL SEARCH INITIATED 09:42:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9222 TO ITERATE
```

```
100.0% PROCESSED 9222 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01
```

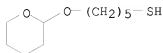
L3 1 SEA FAM FUL L1

=> d l3

```
L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN 128334-80-5 REGISTRY
ED Entered STN: 20 Jul 1990
```

10/782076

CN 1-Pentanethiol, 5-[(tetrahydro-2H-pyran-2-yl)oxy]- (CA INDEX NAME)
MF C10 H20 O2 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> f hcaplus
L4 0 HCAPLUS

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	83.68	83.90

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FILE COVERS 1907 - 16 Feb 2010 VOL 152 ISS 8
FILE LAST UPDATED: 15 Feb 2010 (20100215/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13
L5 1 L3

=> d 13 ibib abs hitstr

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
 'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
 'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
 SAM - Index Name, MF, and structure - no RN
 FIDE - All substance data, except sequence data
 IDE - FIDE, but only 50 names
 SQIDE - IDE, plus sequence data
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
 SQD - Protein sequence data, includes RN
 SQD3 - Same as SQD, but 3-letter amino acid codes are used
 SQN - Protein sequence name information, includes RN
 EPROP - Table of experimental properties
 PPROP - Table of predicted properties
 PROP - EPROP, ETAG, PPROP

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
 APPS -- Application and Priority Information
 BIB -- CA Accession Number, plus Bibliographic Data
 CAN -- CA Accession Number
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
 IND -- Index Data
 IPC -- International Patent Classification
 PATS -- PI, SO
 STD -- BIB, IPC, and NCL
 IABS -- ABS, indented, with text labels
 IBIB -- BIB, indented, with text labels
 ISTD -- STD format, indented
 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels
 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL plus SPEC.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

```
HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):FIL HCAPLUS, USPATFULL, BIOSCI, MEDLINE
'FIL' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'HCAPLUS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'USPATFULL' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'BIOSCI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'MEDLINE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
```

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

```
REG      - RN
SAM      - Index Name, MF, and structure - no RN
FIDE     - All substance data, except sequence data
IDE      - FIDE, but only 50 names
SQIDE    - IDE, plus sequence data
SQIDE3   - Same as SQIDE, but 3-letter amino acid codes are used
SQD      - Protein sequence data, includes RN
SQD3     - Same as SQD, but 3-letter amino acid codes are used
SQN      - Protein sequence name information, includes RN

EPROP    - Table of experimental properties
PPROP    - Table of predicted properties
PROP     - EPROP, ETAG, PPROP
```

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

```
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APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations
```

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL plus SPEC.

The IALL format is the same as ALL with BIB ABS and IND indented,

with text labels.

For additional information, please consult the following help messages:

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 HELP FORMATS -- To see detailed descriptions of the predefined formats.
 ENTER DISPLAY FORMAT (IDE):end

=> FIL HCAPLUS, USPATFULL, BIOSCI, MEDLINE

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.50	85.39

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 09:44:17 ON 16 FEB 2010
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=> s l3

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=> d his

(FILE 'HOME' ENTERED AT 09:41:29 ON 16 FEB 2010)

FILE 'REGISTRY' ENTERED AT 09:41:59 ON 16 FEB 2010

L1 STRUCTURE UPLOADED
L2 0 S L1 FAM SAM
L3 1 S L1 FAM FULL
L4 0 F HCAPLUS

FILE 'CAPLUS' ENTERED AT 09:43:22 ON 16 FEB 2010

L5 1 S L3

FILE 'REGISTRY' ENTERED AT 09:43:48 ON 16 FEB 2010

FILE 'CAPLUS' ENTERED AT 09:44:11 ON 16 FEB 2010

FILE 'HCAPLUS, USPATFULL, ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 09:44:17 ON 16 FEB 2010

```
L***      1 S L3
L***      0 S L3
L***      0 S L3
L***      0 S L3
L***      0 S L3
L***      0 S L3
L***      0 S L3
L***      0 S L3
```

=> s 15

SUBSTANCE QUERIES NOT VALID IN THIS FILE

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=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	95.61	181.00

FILE 'REGISTRY' ENTERED AT 09:46:10 ON 16 FEB 2010

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STRUCTURE FILE UPDATES: 15 FEB 2010 HIGHEST RN 1206588-85-3

DICTIONARY FILE UPDATES: 15 FEB 2010 HIGHEST RN 1206588-85-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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<http://www.cas.org/support/stngen/stdoc/properties.html>

=> s 13

SAMPLE SEARCH INITIATED 09:46:13 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 5732 TO ITERATE

34.9% PROCESSED 2000 ITERATIONS

3 ANSWERS

10/782076

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 110100 TO 119180
PROJECTED ANSWERS: 3 TO 346

L6 3 SEA SSS SAM L1

=> file hcaplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.49 181.49

FILE 'HCAPLUS' ENTERED AT 09:46:26 ON 16 FEB 2010
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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

HCAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l6

L7 6 L6

=> d l7 1-6 ibib abs hitstr

L7 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:1302753 HCAPLUS
DOCUMENT NUMBER: 146:184665
TITLE: Preparation and use of microarrays containing
synthetic heparin oligosaccharides for the rapid
analysis of heparin-protein interactions
AUTHOR(S): Noti, Christian; de Paz, Jose L.; Polito, Laura;
Seeberger, Peter H.
CORPORATE SOURCE: Laboratory for Organic Chemistry, Swiss Federal

Institute of Technology (ETH) Zurich, Zurich, 8093, Switz.

SOURCE: Chemistry--A European Journal (2006), 12(34), 8664-8686
 CODEN: CEUJED; ISSN: 0947-6539

PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 146:184665

AB Heparin is a highly sulfated, linear polymer that participates in a plethora of biol. processes by interaction with many proteins. The chemical complexity and heterogeneity of this polysaccharide can explain the fact that, despite its widespread medical use as an anticoagulant drug, the structure-function relationship of defined heparin sequences is still poorly understood. Here, we present the chemical synthesis of a library containing heparin oligosaccharides ranging from di- to hexamers of different sequences and sulfation patterns. An amine-terminated linker was placed at the reducing end of the synthetic structures to allow for immobilization onto N-hydroxysuccinimide activated glass slides and creation of heparin microarrays. Key features of this modular synthesis, such as the influence of the amine linker on the glycosylation efficiency, the use of 2-azido-glucose as glycosylating agents for oligosaccharide assembly, and the compatibility of the protecting group strategy with the sulfation-deprotection steps, are discussed. Heparin microarrays containing this oligosaccharide library were constructed using a robotic printer and employed to characterize the carbohydrate binding affinities of three heparin-binding growth factors. FGF-1, FGF-2 and FGF-4 that are implicated in angiogenesis, cell growth and differentiation were studied. These heparin chips aided in the discovery of novel, sulfated sequences that bind FGF, and in the determination of the structural requirements needed for recognition by using picomoles of protein on a single slide. The results presented here highlight the potential of combining oligosaccharide synthesis and carbohydrate microarray technol. to establish a structure-activity relationship in biol. processes.

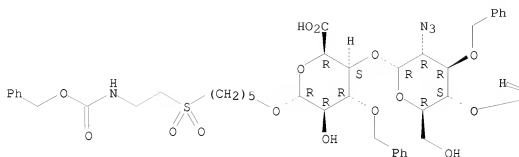
IT 920957-88-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and use of microarrays containing synthetic heparin oligosaccharides for rapid anal. of heparin-protein interactions)

RN 920957-88-6 HCAPLUS

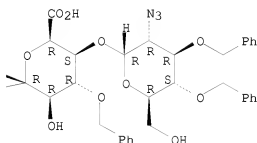
CN α -L-Idopyranosiduronic acid,
 5-[[2-[[[(phenylmethoxy)carbonyl]amino]ethyl]sulfonyl]pentyl
 0-2-azido-2-deoxy-3,4-bis-O-(phenylmethyl)- α -D-glucopyranosyl-
 (1 \rightarrow 4)-O-3-O-(phenylmethyl)- α -L-idopyranuronosyl-(1 \rightarrow 4)-
 0-2-azido-2-deoxy-3-O-(phenylmethyl)- α -D-glucopyranosyl-(1 \rightarrow 4)-
 3-O-(phenylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



OS.CITING REF COUNT: 28 THERE ARE 28 CAPLUS RECORDS THAT CITE THIS
RECORD (28 CITINGS)
REFERENCE COUNT: 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:611019 HCAPLUS

DOCUMENT NUMBER: 145:242922

TITLE: Structural analysis of the interaction between shiga
toxin B subunits and linear polymers bearing clustered
globotriose residues

AUTHOR(S): Watanabe, Miho; Igai, Katsura; Matsuoka, Koji;
Miyagawa, Atsushi; Watanabe, Toshiyuki; Yanoshita,
Ryohei; Samejima, Yuji; Terunuma, Daiyo; Natori,
Yasuhiro; Nishikawa, Kiyotaka

CORPORATE SOURCE: Department of Clinical Pharmacology, Research
Institute, International Medical Center of Japan,
1-21-1 Toyama, Shinjuku-ku, Tokyo, 162-8655, Japan
Infection and Immunity (2006), 74(3), 1984-1988

SOURCE: CODEN: INFIBR; ISSN: 0019-9567

PUBLISHER: American Society for Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

AB We previously developed linear polymers bearing clustered trisaccharides of globotriaosylceramide (Gb3) as orally applicable Shiga toxin (Stx) neutralizers. Here, using a Gb3 polymer with a short spacer tethering the trisaccharide to the core, we found that shortening the spacer length markedly reduced the binding affinity for Stx2 but not Stx1. Moreover, mutational anal. revealed that the essential binding sites of the terminal trisaccharides were completely different between Stx1 and Stx2. These

results provide the mol. basis for the interaction between Stx B subunits and Gb3 polymers.

IT 749924-89-8

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(structural anal. of interaction between shiga toxin B subunits and linear polymers bearing clustered globotriose residues)

RN 749924-89-8 HCAPLUS

CN 2-Propenamide, N-[2-[[5-[(O- α -D-galactopyranosyl-(1 \rightarrow 4)-O- β -D-galactopyranosyl-(1 \rightarrow 4)- β -D-glucopyranosyl)oxypentyl]thio]ethyl]-, polymer with 2-propenamide (9CI) (CA INDEX NAME)

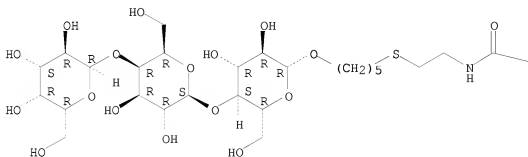
CM 1

CRN 749924-87-6

CMF C28 H49 N O17 S

Absolute stereochemistry.

PAGE 1-A



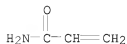
PAGE 1-B



CM 2

CRN 79-06-1

CMF C3 H5 N O



OS.CITING REF COUNT: 11

THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

REFERENCE COUNT: 25

THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:1129098 HCAPLUS

DOCUMENT NUMBER: 143:399798

TITLE: Trisaccharide derivatives as colon bacillus verotoxin counter agents

INVENTOR(S): Matsuoka, Hiroshi; Terunuma, Hiroaki; Hatano, Takeshi; Nishikawa, Kiyotaka; Natori, Yasuhiro; Kita, Eiichi; Watanabe, Miho

PATENT ASSIGNEE(S): Japan Science and Technology Agency, Japan; Nara Prefecture

SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

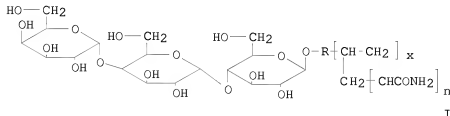
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005289907	A	20051020	JP 2004-108483	20040331
PRIORITY APPLN. INFO.:			JP 2004-108483	20040331

GI



AB Trisaccharide derivs. (I; X, N = 0-integer number; R = (heteroatom-mediated)hydrocarbon chain), with mol. weight 30,000-200,000, are claimed as counter agents for verotoxins STX1 and STX2 from colon bacillus O157:H7. I were prepared, and their inhibiting effects on adhesion between verotoxin and intestine were tested.

IT 749924-89-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(trisaccharide derivs. as colon bacillus verotoxin counter agents)

RN 749924-89-8 HCAPLUS

CN 2-Propenamide, N-[2-[[5-[(O- α -D-galactopyranosyl)-(1 \rightarrow 4)-O- β -D-galactopyranosyl)-(1 \rightarrow 4)- β -D-glucopyranosyl]oxy]pentyl]thio]ethyl]-, polymer with 2-propenamide (9CI)
(CA INDEX NAME)

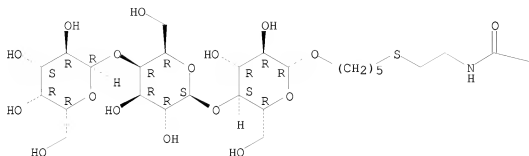
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CRN 749924-87-6

CMF C28 H49 N O17 S

Absolute stereochemistry.

PAGE 1-A



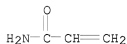
PAGE 1-B



CM 2

CRN 79-06-1

CMF C3 H5 N O



L7 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:732935 HCAPLUS

DOCUMENT NUMBER: 142:219640

TITLE: Synthesis of glycoconjugate polymer carrying globotriaose as artificial multivalent ligand for Shiga toxin-producing Escherichia coli O157: H7

AUTHOR(S): Miyagawa, Atsushi; Kurosawa, Hidehiro; Watanabe, Toshiyuki; Koyama, Tetsuo; Terunuma, Daiyo; Matsuoka, Koji

CORPORATE SOURCE: Department of Functional Materials Science, Faculty of Engineering, Saitama University, Sakura, Saitama, 338-8570, Japan

SOURCE: Carbohydrate Polymers (2004), 57(4), 441-450
CODEN: CAPOD8; ISSN: 0144-8617

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB As an artificial ligand, a glycoconjugate polymer carrying carbohydrate moiety of lactosyl ceramide or globotriaosyl ceramide (Gb3) was synthesized. Gb3 is known as the receptor of Shiga toxin-producing Escherichia coli O157: H7. The preparation of the glycoconjugate polymer initially involves the construction of the carbohydrate moiety of Gb3 derivative which has n-pentenyl group as polymerizable group. In addition, the

n-pentenyl group of the Gb3 derivative was modified and different polymerizable groups such as acrylamide group were introduced at *o*-position of the aglycon. Radical polymerization of the synthesized glycosyl monomers with or without acrylamide proceeded smoothly in water using ammonium persulfate and N, N, N', N'-tetramethylethylenediamine as usual initiator system and gave water-soluble glycoconjugate polymers having various polymer compns. These polymers have the potential to neutralize Shiga toxin by reason of cluster effect and multivalency.

IT 749924-89-8P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis of glycoconjugate polymer carrying globotriaose as
artificial multivalent ligand for Shiga toxin-producing *Escherichia coli*)

RN 749924-89-8 HCAPLUS

CN 2-Propenamide, N-[2-[[5-[(O- α -D-galactopyranosyl-(1 \rightarrow 4)-O- β -D-galactopyranosyl-(1 \rightarrow 4)- β -D-glucopyranosyl)oxyl]pentyl]thio]ethyl]-, polymer with 2-propenamide (9CI)
(CA INDEX NAME)

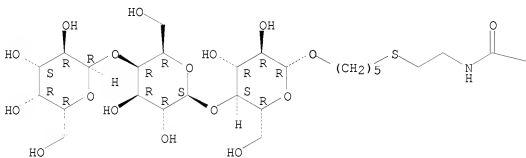
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CRN 749924-87-6

CMF C28 H49 N O17 S

Absolute stereochemistry.

PAGE 1-A



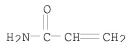
PAGE 1-B



CM 2

CRN 79-06-1

CMF C3 H5 N O



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(8 CITINGS)
REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:190370 HCAPLUS

DOCUMENT NUMBER: 141:235701

TITLE: Oral therapeutic agents with highly clustered
globotriose for treatment of Shiga toxigenic
Escherichia coli infections

AUTHOR(S): Watanabe, Miho; Matsuoka, Koji; Kita, Eiji; Igai,
Katsura; Higashi, Nobutaka; Miyagawa, Atsushi;
Watanabe, Toshiyuki; Yanoshita, Ryohei; Samejima,
Yuji; Terunuma, Daiyo; Natori, Yasuhiro; Nishikawa,
Kiyotaka

CORPORATE SOURCE: Department of Clinical Pharmacology, Research
Institute, International Medical Center of Japan, and
Bioresources Research Laboratory, The Institute of
Medical Chemistry, Hoshi University, Tokyo, Japan

SOURCE: Journal of Infectious Diseases (2004), 189(3), 360-368
CODEN: JIDIAQ; ISSN: 0022-1899

PUBLISHER: University of Chicago Press

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Shiga toxin (Stx) is a major virulence factor in infection with
Stx-producing Escherichia coli (STEC). We developed a series of linear
polymers of acrylamide, each with a different d. of trisaccharide of
globotriaosylceramide (Gb3), which is a receptor for Stx, and identified
Gb3 polymers with highly clustered trisaccharides as Stx adsorbents
functioning in the gut. The Gb3 polymers specifically bound to both Stx1
and Stx2 with high affinity and markedly inhibited the cytotoxic
activities of these toxins. Oral administration of the Gb3 polymers
protected mice after administration of a fatal dose of E. coli O157:H7,
even when the polymers were administered after the infection had been
established. In these mice, the serum level of Stx was markedly reduced
and fatal brain damage was substantially suppressed, which suggests that
the Gb3 polymers entrap Stx in the gut and prevent its entrance into the
circulation. These results indicate that the Gb3 polymers can be used as
oral therapeutic agents that function in the gut against STEC infections.

IT 749924-89-8

RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU
(Therapeutic use); BIOL (Biological study); USES (Uses)

(Gb3 polymers effectively inhibited cytotoxicity of Stx1 and Stx2 with
lesser extent in Vero cells)

RN 749924-89-8 HCAPLUS

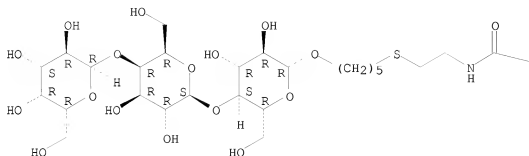
CN 2-Propenamide, N-[2-[[5-[(O- α -D-galactopyranosyl-(1 \rightarrow 4)-O-
 β -D-galactopyranosyl-(1 \rightarrow 4)- β -D-
glucopyranosyl]oxy]pentyl]thio]ethyl]-, polymer with 2-propenamide (9CI)
(CA INDEX NAME)

CM 1

CRN 749924-87-6

CMF C28 H49 N O17 S

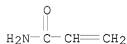
Absolute stereochemistry.



CM 2

CRN 79-06-1

CMF C3 H5 N O



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RECORD (40 CITINGS)
REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1986:168671 HCAPLUS

DOCUMENT NUMBER: 104:168671

ORIGINAL REFERENCE NO.: 104:26731a, 26734a

TITLE: Total synthesis of optically active 7 α ,18- and
7 β ,18-dimethyl-19-nortestosterone

AUTHOR(S): Zhuang, Zhi Ping; Zhou, Wei Shan

CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Shanghai, Peop.
Rep. China

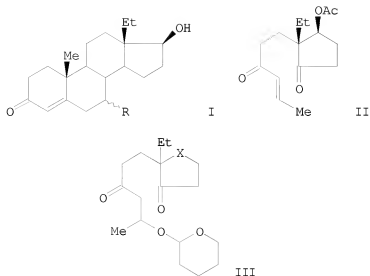
SOURCE: Tetrahedron (1985), 41(18), 3633-41
CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE: Journal

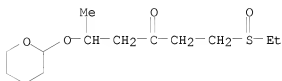
LANGUAGE: English

OTHER SOURCE(S): CASREACT 104:168671

GI



AB Title compds. I (R = α -Me, β -Me) were prepared from the new
 common optically active synthon II, which was obtained from acrolein in 12
 steps. A key step in the preparation of II was the stereoselective reduction
 of the cyclopentanedione III (X = CO) by *Saccharomyces cerevisiae* to give III
 (X = β -CHOH).
 IT 101387-21-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and substitution reaction of, with ethylcyclopentanedione)
 RN 101387-21-7 HCAPLUS
 CN 3-Hexanone, 1-(ethylsulfinyl)-5-[(tetrahydro-2H-pyran-2-yl)oxy]- (CA
 INDEX NAME)



OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD
 (9 CITINGS)

=> d his full

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 L3 1 SEA FAM FUL L1
 D L3

L4 0 SEA HCAPLUS

FILE 'CAPLUS' ENTERED AT 09:43:22 ON 16 FEB 2010

L5 1 SEA L3

FILE 'REGISTRY' ENTERED AT 09:43:48 ON 16 FEB 2010

FILE 'CAPLUS' ENTERED AT 09:44:11 ON 16 FEB 2010

FILE 'HCAPLUS, USPATFULL, ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 09:44:17 ON 16 FEB 2010

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L7 0 S L3

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L*** 0 S L3

L6 1 S L5

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FILE 'HCAPLUS' ENTERED AT 09:46:26 ON 16 FEB 2010

L7 6 SEA L6

D L7 1-6 IBIB ABS HITSTR

FILE HOME

FILE REGISTRY

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FILE LAST UPDATED: 15 Feb 2010 (20100215/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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FILE COVERS 1907 - 16 Feb 2010 VOL 152 ISS 8
FILE LAST UPDATED: 15 Feb 2010 (20100215/ED)
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FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 11 Feb 2010 (20100211/PD)
FILE LAST UPDATED: 11 Feb 2010 (20100211/ED)
HIGHEST GRANTED PATENT NUMBER: US7661147
HIGHEST APPLICATION PUBLICATION NUMBER: US20100037360
CA INDEXING IS CURRENT THROUGH 11 Feb 2010 (20100211/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 11 Feb 2010 (20100211/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

USPATFULL now includes complete International Patent Classification (IPC)
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FILE COVERS 1998 TO 12 Feb 2010 (20100212/ED)

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FILE ADISINSIGHT

FILE COVERS 1998 TO 11 Feb 2010 (20100211/ED)

FILE LAST UPDATED: 11 FEB 2010 (20100211/ED)

FILE ADISNEWS

FILE COVERS 1983 TO 16 Feb 2010 (20100216/ED)

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FILE COVERS 1970 TO 6 Jan 2010 (20100106/ED)

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FILE ANABSTR

FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>

FILE COVERS 1980 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN
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FILE ANTE

FILE LAST UPDATED: 21 JAN 2010 <20100121/UP>

FILE COVERS 1981 TO DATE

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FILE AQUALINE
FILE LAST UPDATED: 25 JAN 2010 <20100125/UP>
FILE COVERS 1960 TO DATE

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
THE BASIC INDEX <<<

FILE AQUASCI
FILE COVERS 1978 TO 2 Feb 2010 (20100202/ED)

FILE BIOENG
FILE LAST UPDATED: 25 JAN 2010 <20100125/UP>
FILE COVERS 1982 TO DATE

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
THE BASIC INDEX <<<

FILE BIOSIS
FILE COVERS 1926 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1926 TO DATE.

RECORDS LAST ADDED: 11 February 2010 (20100211/ED)

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FILE BIOTECHDS
FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
FILE COVERS 1982 TO DATE

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FILE LAST UPDATED: 7 JAN 2004 <20040107/UP>
FILE COVERS 1980 TO 2003.
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FILE CABA
FILE COVERS 1973 TO 8 Feb 2010 (20100208/ED)

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FILE CEABA-VTB
FILE LAST UPDATED: 20 JAN 2010 <20100120/UP>
FILE COVERS 1966 TO DATE

>>> DECHEMA, the producer of CEABA-VTB is using a new classification

scheme.
The new classification schemes are available as a PDF file
and may be downloaded free-of-charge from:
<http://www.stn-international.com/cc-de.html>
and
<http://www.stn-international.com/cc-en.html><<<

FILE CIN

FILE COVERS 1974 - 11 FEB 2010 (20100211/ED) VOL 39 ISS 7

FILE CONFSCI
FILE COVERS 1973 TO 14 Jan 2010 (20100114/ED)

CSA has resumed updates, see NEWS FILE

FILE CROPB
FILE LAST LOADED: 11 NOV 94 <941111/UP>

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FILE CROPU
FILE LAST UPDATED: 5 JAN 2004 <20040105/UP>
FILE COVERS 1985 TO 2003

<<< CROPU IS A STATIC FILE WITH NO UPDATES >>>

FILE DDFB
>>> FILE COVERS 1964 TO 1982 - CLOSED FILE <<<

FILE DGENE
FILE LAST UPDATED: 5 FEB 2010 <20100205/UP>

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(patent sequence location) field <<<

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For further assistance, please contact your local helpdesk.

FILE ESBIOBASE

FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
FILE COVERS 1994 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN THE BASIC
INDEX (/BI), ABSTRACT (/AB), CLASSIFICATION CODE (/CC), SUPPLEMENTARY
TERM (/ST), AND TITLE (/TI) FIELDS <<<

FILE FOMAD

FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
FILE COVERS 1982 TO DATE.

FILE FROSTI

FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
FILE COVERS 1972 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE
IN THE BASIC INDEX (/BI) FIELD <<<

FILE FSTA

FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
FILE COVERS 1969 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN THE BASIC
INDEX (/BI) FIELD <<<

FILE GENBANK

GENBANK (R) IS A REGISTERED TRADEMARK OF THE U.S. DEPARTMENT
OF HEALTH AND HUMAN SERVICES.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE HEALSAFE

FILE COVERS 1981 TO 2 Feb 2010 (20100202/ED)

FILE IFIPAT

FILE COVERS 1950 TO PATENT PUBLICATION DATE: 9 Feb 2010 (20100209/PD)
FILE LAST UPDATED: 12 Feb 2010 (20100212/ED)
HIGHEST GRANTED PATENT NUMBER: US7661147
HIGHEST APPLICATION PUBLICATION NUMBER: US20100031408
UNITERM INDEXING IS AVAILABLE IN THE IFIUDB FILE
UNITERM INDEXING LAST UPDATED: 25 Jan 2010 (20100125/UP)
INDEXING CURRENT THROUGH PAT PUB DATE: 29 Dec 2009 (20091229/PD)

The IFI Patent Database (IFIPAT), IFI Comprehensive Database (IFICDB),
and IFI Uniterm Database (IFIUDB), have been reloaded on STN. Search
and display enhancements in this reload include the addition of the
DISPLAY SCAN format to help evaluate usefulness of answer sets,
indexing for more than 70,000 additional published applications, and
enhanced indexing with new terms for various green technology areas
such as biofuels and biodegradable polymers.

FILE IMSDRUGNEWS
FILE COVERS 1995 TO 5 Feb 2010 (20100205/ED)

```
#####
#
#                               !!! ATTENTION !!!
#
# Welcome to IMSDRUGNEWS.  This is the Drug News file from
# IMSworld Publications.
#
# For detailed information regarding the printed version
# of this file, please contact IMS HEALTH Customer Services
# directly by phone at +44(0)20-7393-5888, or email
# globaldirect@uk.imshealth.com.
#
# See HELP SUBSCRIPTION for more information.
#####
```

This file contains CAS Registry Numbers for easy and accurate substance identification.

The file name was changed from DRUGNL to IMSDRUGNEWS on 7 Dec. 2003.
The file name DRUGNL is now an alias for IMSDRUGNEWS.

FILE IMSPRODUCT
FILE COVERS 1982 TO 25 Jan 2010 (20100125/ED)

```
#####
#
#                               !!! ATTENTION !!!
#
# Welcome to IMSPRODUCT.  A special subscriber rate is
# available to purchasers of the IMSworld publication,
# Drug Launches.
#
# For detailed information regarding eligibility and
# authorization for this subscriber discount, please contact
# IMS HEALTH Customer Services directly by phone
# at +44(0)20-7393-5888, or email globaldirect@uk.imshealth.com
# See HELP SUBSCRIPTION for more information.
#####
```

The file name was changed from DRUGLAUNCH to IMSPRODUCT on 7 Dec. 2003.
The file name DRUGLAUNCH is now an alias for IMSPRODUCT.

FILE IMSRESEARCH
FILE COVERS 1977 TO 15 Feb 2010 (20100215/ED)

```
#####
#
#                               !!! ATTENTION !!!
#
# Welcome to IMSRESEARCH.  A special subscriber rate
# is available to purchasers of the IMSworld publication,
# R&D Focus, part of the Drug Intelligence range.
#
# For detailed information regarding eligibility and
# authorization for this subscriber discount, please contact
#
```

```
# IMS HEALTH Customer Services directly by phone #
# at +44(0)20-7393-5888, or email globaldirect@uk.imshealth.com #
# See HELP SUBSCRIPTION for more information. #
# #
#####
```

This file contains CAS Registry Numbers for easy and accurate substance identification.

The file name was changed from DRUGUPDATES to IMSRESEARCH on 7 Dec. 2003.
The file name DRUGUPDATES is now an alias for IMSRESEARCH.

```
FILE KOSMET
FILE LAST UPDATED: 8 FEB 2010 <20100208/UP>
FILE COVERS 1968 TO DATE.
```

```
>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE
      IN THE BASIC INDEX (/BI) FIELD <<<
```

```
FILE LIFESCI
FILE COVERS 1978 TO 2 Feb 2010 (20100202/ED)
```

```
FILE MEDLINE
FILE LAST UPDATED: 13 Feb 2010 (20100213/UP). FILE COVERS 1949 TO DATE.
```

MEDLINE and LMEDLINE have been updated with the 2010 Medical Subject Headings (MeSH) vocabulary and tree numbers from the U.S. National Library of Medicine (NLM). Additional information is available at

http://www.nlm.nih.gov/pubs/techbull/nd09/nd09_medline_data_changes_2010.

See HELP RLOAD for details.

The Medline file has been reloaded effective January 24, 2010.

This file contains CAS Registry Numbers for easy and accurate substance identification.

See HELP RANGE before carrying out any RANGE search.

```
FILE NTIS
FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
FILE COVERS 1964 TO DATE.
```

```
<<< SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
      THE BASIC INDEX (/BI) FIELD >>>
```

```
FILE OCEAN
FILE COVERS 1964 TO 2 FEB 2010 (20100202/ED)
```

```
FILE PASCAL
FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
FILE COVERS 1977 TO DATE.
```

```
>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE
      IN THE BASIC INDEX (/BI) FIELD <<<
```

```
FILE PCTGEN
FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
MOST RECENT PCT PUB DATE: 11 FEB 2010 <20100211/PD>
```

PCTGEN CURRENTLY CONTAINS 7,061,422 BIOSEQUENCES

>>> DOWNLOAD COMPLETE PCTGEN HELP AS PDF:
http://www.stn-international.com/pctgen_help.html

>>> DOWNLOAD RUN BLAST/GETSIM FREQUENTLY ASKED QUESTIONS:
<http://www.stn-international.com/dgenefaq.html> <<<

<<< OCR Sequence Listings incorporated into the file -
see Help Change >>>

>>> GETSEQ ENHANCEMENTS: Maximum result set limit increased
to 250,000 answers, new HIT (ALIGN) display available.
Please see HELP CHANGE for details.
To learn more, visit:
<http://www.stn-international.com/newgetseq.html> <<<

>>> Percent identity sorting is now available <<<
To learn more, visit:
http://www.stn-international.de/percent_identity_sorting.html <<<

>>> New FASTA display formats available. See HELP CHANGE for details <<<

FILE PROMT

FILE COVERS 1978 TO 13 Feb 2010 (20100213/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE PROUSDDR

FILE COVERS 1980 TO 4 Jan 2010 (20100104/ED)

FILE PS

FILE LAST RELOADED: 18 NOV 2008 <20081118/UP>
FILE COVERS 1957 TO DATE

>>> Simultaneous left and right truncation is available in the
Basic Index (/BI) and Chemical Name Segment (/CNS) fields <<<

>>> Images are available online and for email-prints <<<

FILE RDISCLOSURE

FILE LAST UPDATED: 12 FEB 2010 <20100212/UP>
FILE COVERS 1960 TO DATE

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN THE
BASIC INDEX (/BI) AND TITLE (/TI) FIELDS <<<

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

FILE SCISEARCH

FILE COVERS 1974 TO 11 Feb 2010 (20100211/ED)

SCISEARCH has been reloaded, see HELP RLOAD for details.

FILE SYNTHLINE

FILE COVERS 1984 TO 21 Jan 2010 (20100121/ED)

FILE TOXCENTER

FILE COVERS 1907 TO 16 Feb 2010 (20100216/ED)

The MEDLINE file segment has been reload and updated with the National Library of Medicine's revised 2010 MeSH terms.

MEDLINE was last reloaded on January 24, 2010.

See HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE USGENE

FILE LAST UPDATED: 12 FEB 2010 <20100212/UP>

MOST RECENT PUBLICATION DATE: 11 FEB 2010 <20100211/PD>

FILE COVERS 1981 TO DATE

>>> DOWNLOAD THE USGENE WORKSHOP MANUAL:

http://www.stn-international.com/USGENE_workshop_manual.html

>>> DOWNLOAD RUN BLAST/GETSIM FREQUENTLY ASKED QUESTIONS:

<http://www.stn-international.com/usgenefaq.html> <<<

>>> DOWNLOAD COMPLETE USGENE HELP AS PDF:

http://www.stn-international.com/usgene_help.html <<<

>>> USGENE provides USPTO sequence data within 3 days of publication<<<

>>> Enhanced Patent Sequence Location (PSL), bibliographic details,
Family and Legal Status options are now available in USGENE!

See HELP CHANGE for details. <<<

>>> BLAST percent identity (IDENT) sorting is now available!

To learn more, visit:

http://www.stn-international.de/percent_identity_sorting.html <<<

>>> New FASTA display formats available. See HELP CHANGE for details <<<

FILE USPATOLD

FILE COVERS U.S. PATENTS 1790-1975

Produced using data provided by Univentio.

This database was created using Optical Character Recognition (OCR) technology. For this reason, some characters may be missing or mistranslated. In order to improve searchability and retrieval, CA indexing information has been added to the Title, Inventor, and Patent Assignee fields where possible. Please see HELP CASDATA for more information on the availability of CAS indexing in this database.

USPATOLD now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 16 Feb 2010 (20100216/PD)
FILE LAST UPDATED: 16 Feb 2010 (20100216/ED)
HIGHEST GRANTED PATENT NUMBER: US20100011223
HIGHEST APPLICATION PUBLICATION NUMBER: US20100036739
CA INDEXING IS CURRENT THROUGH 16 Feb 2010 (20100216/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 16 Feb 2010 (20100216/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

USPAT2 NOW INCLUDES COMPLETE INTERNATIONAL PATENT CLASSIFICATION (IPC)
reclassification data for the third quarter of 2009.

To ensure comprehensive retrieval of US patent information, including
US patent application information, search USPAT2 in combination with
USPATFULL.

FILE VETB
FILE LAST UPDATED: 25 SEP 94 <940925/UP>
FILE COVERS 1968-1982

FILE VETU
FILE LAST UPDATED: 2 JAN 2002 <20020102/UP>
FILE COVERS 1983-2001

FILE WATER
FILE LAST UPDATED: 25 JAN 2010 <20100125/UP>
FILE COVERS 1967 TO DATE

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
THE BASIC INDEX <<<

FILE WPIDS
FILE LAST UPDATED: 14 FEB 2010 <20100214/UP>
MOST RECENT UPDATE: 201011 <201011/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> Now containing more than 1.5 million chemical structures in DCR <<<

>>> IPC, ECLA, US National Classifications and Japanese F-Terms
and FI-Terms have been updated with reclassifications to
end of December 2009.
No update date (UP) has been created for the reclassified
documents, but they can be identified by
specific update codes (see HELP CLA for details) <<<

>>> FOR THE LATEST DERWENT WORLD PATENTS INDEX (DWPI)
STN USER DOCUMENTATION, PLEASE VISIT:
http://www.stn-international.com/stn_dwpi.html <<<

>>> HELP for European Patent Classifications see HELP ECLA, HELP ICO <<<

>>> Japanese FI-TERM thesaurus in field /FCL added <<<

FILE WPIFV
FILE LAST UPDATED: 15 FEB 2010 <20100215/UP>
MOST RECENT UPDATE: 201011 <201011/DUPD>

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE
<http://scientific.thomsonreuters/support/patents/coverage/latestupdates/>

>>> FOR A COPY OF THE DERWENT WPIFV STN USER GUIDE, PLEASE VISIT:
http://www.stn-international.com/dwpifv_man.html <<<

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